

SEQUENCE LISTING

<110> Welch, Rodney A.
 Lathem, Wyndham W.
 <120> E. COLI O157:H7 C1 ESTERASE INHIBITOR-BINDING PROTEIN AND METHODS OF USE
 <130> 096429-9117
 <140> Unknown
 <141> 2001-10-26
 <150> 60/243,675
 <151> 2000-10-26
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 <170> PatentIn version 3.1
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 <222> (138)..(2798)
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 agagatggag aacaccg atg aaa tta aag tat ctg tca tgt acg atc ctt 170
 Met Lys Leu Lys Tyr Leu Ser Cys Thr Ile Leu
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gcc cct ctg gcg att ggg gta ttt tct gca aca gct gct gat aat aat 218
 Ala Pro Leu Ala Ile Gly Val Phe Ser Ala Thr Ala Ala Asp Asn Asn
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tca gcc att tat ttc aat acc tcc cag cct ata aat gat ctg cag ggt 266
 Ser Ala Ile Tyr Phe Asn Thr Ser Gln Pro Ile Asn Asp Leu Gln Gly
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tcg ttg gcc gca gag gtg aaa ttt gca caa agc cag att tta ccc gcc 314
 Ser Leu Ala Ala Glu Val Lys Phe Ala Gln Ser Gln Ile Leu Pro Ala
 45 50 55

cat cct aaa gaa ggg gat agt caa cca cat ctg acc agc ctg cgg aaa 362
 His Pro Lys Glu Gly Asp Ser Gln Pro His Leu Thr Ser Leu Arg Lys
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 Ser Leu Leu Leu Val Arg Pro Val Lys Ala Asp Asp Lys Thr Pro Val
 80 85 90

cag gtg gaa gcc cgc gat gat aat aat aaa att ctc ggt acg tta acc 458
 Gln Val Glu Ala Arg Asp Asp Asn Asn Lys Ile Leu Gly Thr Leu Thr
 95 100 105

ctt tat cct cct tca tca cta ccg gat aca atc tac cat ctg gat ggt 506
 Leu Tyr Pro Pro Ser Ser Leu Pro Asp Thr Ile Tyr His Leu Asp Gly
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atc att aat acg gtg gct gaa gta aac aaa ctc agt gat gcc agc ggg Ile Ile Asn Thr Val Ala Glu Val Asn Lys Leu Ser Asp Ala Ser Gly 140 145 150 155	602
agt tct att cat agc cat cta aca aat aat gca ctg gtg gag atc cat Ser Ser Ile His Ser His Leu Thr Asn Asn Ala Leu Val Glu Ile His 160 165 170	650
act gca aat ggt cgt tgg gta aga gac att tat ctg ccg cag gga ccc Thr Ala Asn Gly Arg Trp Val Arg Asp Ile Tyr Leu Pro Gln Gly Pro 175 180 185	698
gac ctt gaa ggt aag atg gtt cgc ttt gtt tcg tct gca ggc tat agt Asp Leu Glu Gly Lys Met Val Arg Phe Val Ser Ser Ala Gly Tyr Ser 190 195 200	746
tca acg gtt ttt tat ggt gat cga aaa gtc aca ctc tcg gtg ggt aac Ser Thr Val Phe Tyr Gly Asp Arg Lys Val Thr Leu Ser Val Gly Asn 205 210 215	794
act ctt ctg ttc aaa tat gta aat ggt cag tgg ttc cgc tcc ggt gaa Thr Leu Leu Phe Lys Tyr Val Asn Gly Gln Trp Phe Arg Ser Gly Glu 220 225 230 235	842
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ctg cct gcg cac tgg atc gtg cct ggt tta aac ttg gtg att aaa cag Leu Pro Ala His Trp Ile Val Pro Gly Leu Asn Leu Val Ile Lys Gln 255 260 265	938
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gat cgc ttt gat ttt gcc aaa gac aaa gaa gca cat agg gaa tat ttc Asp Arg Phe Asp Phe Ala Lys Asp Lys Glu Ala His Arg Glu Tyr Phe 300 305 310 315	1082
cag acc att cct gta agt cgt atg att gtt aat aat tat gcg cct cta Gln Thr Ile Pro Val Ser Arg Met Ile Val Asn Asn Tyr Ala Pro Leu 320 325 330	1130
cac cta aag gaa gtt atg tta cca acc gga gag tta ttg aca gat atg His Leu Lys Glu Val Met Leu Pro Thr Gly Glu Leu Leu Thr Asp Met 335 340 345	1178
gat cca gga aat ggt ggg tgg cat agt ggt aca atg cgt caa aga ata Asp Pro Gly Asn Gly Gly Trp His Ser Gly Thr Met Arg Gln Arg Ile 350 355 360	1226
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caa tta gcg gca cat aat agc cgc ggt aat tat gct aat ggc atc cag Gln Leu Ala Ala His Asn Ser Arg Gly Asn Tyr Ala Asn Gly Ile Gln 400 405 410	1370
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gct tca gtc aat gag cta agt gaa agc aaa atg gct gag ctg atg gca Ala Ser Val Asn Glu Leu Ser Glu Ser Lys Met Ala Glu Leu Met Ala 575 580 585	1898
gag tac gct gtc gtc aaa gtg cat atg tgg aac ggt aac tgg aca aga Glu Tyr Ala Val Val Lys Val His Met Trp Asn Gly Asn Trp Thr Arg 590 595 600	1946
aac atc tat atc cct aca gcc tcc gca gat aat aga ggc agt atc ctg Asn Ile Tyr Ile Pro Thr Ala Ser Ala Asp Asn Arg Gly Ser Ile Leu 605 610 615	1994
acc atc aac cat gag gcc ggt tat aat agt tat ctg ttt ata aat ggt Thr Ile Asn His Glu Ala Gly Tyr Asn Ser Tyr Leu Phe Ile Asn Gly 620 625 630 635	2042
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gcc tat ggc ttc act tat tcc gat gat agt cag aat cta tcc gat aac Ala Tyr Gly Phe Thr Tyr Ser Asp Asp Ser Gln Asn Leu Ser Asp Asn 700	705	710	2282
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acc tat act gta aat ggg cag gca ctt cca gca aaa gaa aac gag gga Thr Tyr Thr Val Asn Gly Gln Ala Leu Pro Ala Lys Glu Asn Glu Gly 780	785	790	2522
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Val Lys Phe Ala Gln Ser Gln Ile Leu Pro Ala His Pro Lys Glu Gly
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Asp Ser Gln Pro His Leu Thr Ser Leu Arg Lys Ser Leu Leu Leu Val
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Arg Pro Val Lys Ala Asp Asp Lys Thr Pro Val Gln Val Glu Ala Arg
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Asp Asp Asn Asn Lys Ile Leu Gly Thr Leu Thr Leu Tyr Pro Pro Ser
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Ser Leu Pro Asp Thr Ile Tyr His Leu Asp Gly Val Pro Glu Gly Gly
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Ile Asp Phe Thr Pro His Asn Gly Thr Lys Lys Ile Ile Asn Thr Val
 130 135 140

Ala Glu Val Asn Lys Leu Ser Asp Ala Ser Gly Ser Ser Ile His Ser
 145 150 155 160

His Leu Thr Asn Asn Ala Leu Val Glu Ile His Thr Ala Asn Gly Arg
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Trp Val Arg Asp Ile Tyr Leu Pro Gln Gly Pro Asp Leu Glu Gly Lys
 180 185 190

Met Val Arg Phe Val Ser Ser Ala Gly Tyr Ser Ser Thr Val Phe Tyr
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Gly Asp Arg Lys Val Thr Leu Ser Val Gly Asn Thr Leu Leu Phe Lys
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Tyr Val Asn Gly Gln Trp Phe Arg Ser Gly Glu Leu Glu Asn Asn Arg
 225 230 235 240

Ile Thr Tyr Ala Gln His Ile Trp Ser Ala Glu Leu Pro Ala His Trp
 245 250 255

Ile Val Pro Gly Leu Asn Leu Val Ile Lys Gln Gly Asn Leu Ser Gly
 260 265 270

Arg Leu Asn Asp Ile Lys Ile Gly Ala Pro Gly Glu Leu Leu Leu His
275 280 285

Thr Ile Asp Ile Gly Met Leu Thr Thr Pro Arg Asp Arg Phe Asp Phe
290 295 300

Ala Lys Asp Lys Glu Ala His Arg Glu Tyr Phe Gln Thr Ile Pro Val
305 310 315 320

Ser Arg Met Ile Val Asn Asn Tyr Ala Pro Leu His Leu Lys Glu Val
325 330 335

Met Leu Pro Thr Gly Glu Leu Leu Thr Asp Met Asp Pro Gly Asn Gly
340 345 350

Gly Trp His Ser Gly Thr Met Arg Gln Arg Ile Gly Lys Glu Leu Val
355 360 365

Ser His Gly Ile Asp Asn Ala Asn Tyr Gly Leu Asn Ser Thr Ala Gly
370 375 380

Leu Gly Glu Asn Ser His Pro Tyr Val Val Ala Gln Leu Ala Ala His
385 390 395 400

Asn Ser Arg Gly Asn Tyr Ala Asn Gly Ile Gln Val His Gly Gly Ser
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Gly Gly Gly Gly Ile Val Thr Leu Asp Ser Thr Leu Gly Asn Glu Phe
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Ser His Glu Val Gly His Asn Tyr Gly Leu Gly His Tyr Val Asp Gly
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Phe Lys Gly Ser Val His Arg Ser Ala Glu Asn Asn Ser Thr Trp
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Gly Trp Asp Gly Asp Lys Lys Arg Phe Ile Pro Asn Phe Tyr Pro Ser
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Gln Thr Asn Glu Lys Ser Cys Leu Asn Asn Gln Cys Gln Glu Pro Phe
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Asp Gly His Lys Phe Gly Phe Asp Ala Met Ala Gly Gly Ser Pro Phe
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Ser Ala Ala Asn Arg Phe Thr Met Tyr Thr Pro Asn Ser Ser Ala Ile
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Glu His Thr Ile Asp Arg Ala Glu Gln Ile Thr Ala Ser Val Asn Glu
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Lys Val His Met Trp Asn Gly Asn Trp Thr Arg Asn Ile Tyr Ile Pro
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Thr Ala Ser Ala Asp Asn Arg Gly Ser Ile Leu Thr Ile Asn His Glu
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Ala Gly Tyr Asn Ser Tyr Leu Phe Ile Asn Gly Asp Glu Lys Val Val
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Glu Arg Asp Val Val Asp Thr Arg Glu Ala Arg Lys Pro Glu Gln Phe
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Gly Val Pro Val Thr Thr Leu Val Gly Tyr Tyr Asp Pro Glu Gly Thr
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Tyr Ser Asp Asp Ser Gln Asn Leu Ser Asp Asn Asp Cys Gln Leu Gln
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Val Asp Thr Lys Glu Gly Gln Leu Arg Phe Arg Leu Ala Asn His Arg
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Ala Asn Asn Thr Val Met Asn Lys Phe His Ile Asn Val Pro Thr Glu
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Ser Gln Pro Thr Gln Ala Thr Leu Val Cys Asn Asn Lys Ile Leu Asp
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Thr Lys Ser Leu Thr Pro Ala Pro Glu Gly Leu Thr Tyr Thr Val Asn
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Gly Gln Ala Leu Pro Ala Lys Glu Asn Glu Gly Cys Ile Val Ser Val
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Asn Ser Gly Lys Arg Tyr Cys Leu Pro Val Gly Gln Arg Ser Gly Tyr
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Ser Leu Pro Asp Trp Ile Val Gly Gln Glu Val Tyr Val Asp Ser Gly
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Ala Lys Ala Lys Val Leu Leu Ser Asp Trp Asp Asn Leu Ser Tyr Asn
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Arg Ile Gly Glu Phe Val Gly Asn Val Asn Pro Ala Asp Met Lys Lys
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